



SIQUAL 6959 Steel

Designation by Standards

Brand Name	Ravne	Mat. No.	DIN	EN	AISI/SAE
SIQUAL 6959	KATO1	1.6959	35NiCrMoV12-5	-	-

Chemical Composition (in weight %)

C	Si	Mn	Cr	Ni	Mo	V	W	Others
0.39	0.27	0.25	1	3.25	0.6	0.15	-	Max. Cu=0.15

Description

Alloyed carbon steel.

Applications

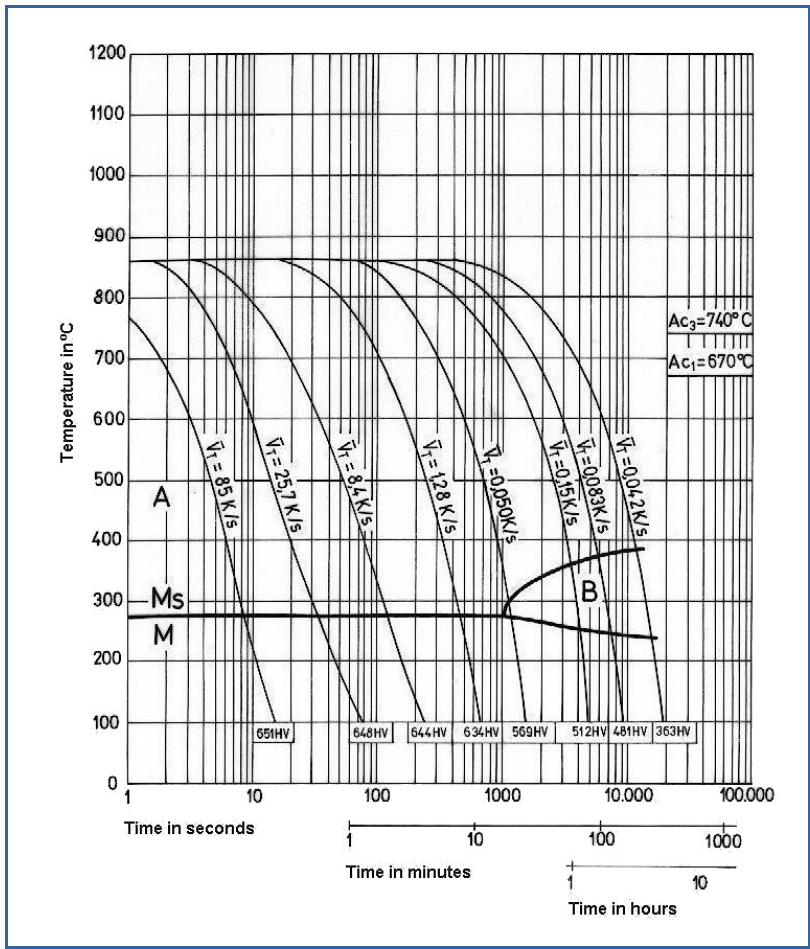
Special purpose production.

Physical properties (average values) at ambient temperature

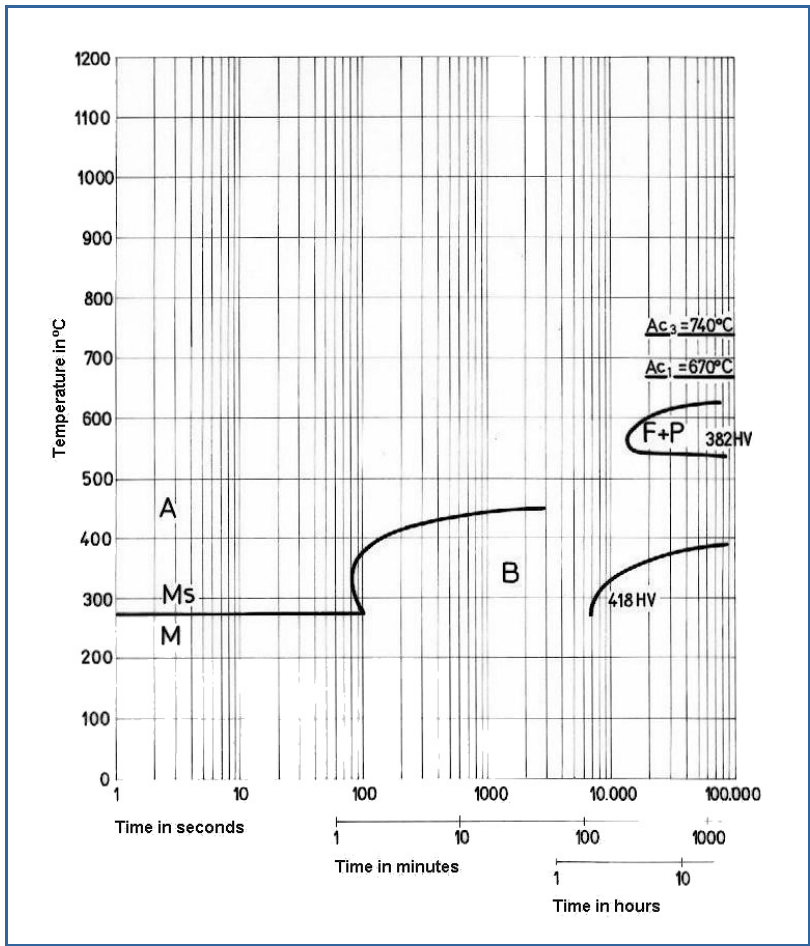
Modulus of elasticity [$10^3 \times \text{N/mm}^2$]: 210

Density [g/cm^3]: 7.85

Continuous Cooling Transformation (CCT) Diagram



Time-Temperature Transformation (TTT) Diagram



Soft Annealing

Approx. 800°C.

Hardening

Temperature: 860°C, oil.

Tempering

Temperature: 610-630°C.

Forging

Hot forming temperature: 1100-850°C.

Machinability

No data.

Forms manufactured: Please see the [Dimensional Sales Program](#).

Disclaimer

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